

# Specifications — CIA114

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## Video

Gain.....	Unity
Bandwidth.....	250 MHz (-3 dB)

## Video input and loop through

Number/signal type.....	1 VGA–UXGA, Mac, Sun RGBHV, RGBS, RGsB 1 buffered local monitor loop-through identical to the input
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**NOTE** *Sync is not stripped from green. RGsB input signals are output as RGBs.*

Connectors .....	2 female 15-pin HD
Nominal level .....	0.7 Vp-p for RGB
Minimum/maximum levels.....	Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance.....	75 ohms
Horizontal frequency.....	30 kHz to 130 kHz
Vertical frequency.....	30 Hz to 120 Hz
Return loss.....	<-50 dB @ 5 MHz

## Video output

Number/signal type.....	1 RGBHV, RGBS, RGsB
Connectors .....	5 BNC female on 4" (10.2 cm) pigtails
Nominal level .....	0.7 Vp-p for RGB
Minimum/maximum levels.....	Analog: 0.3 V to 1.5 Vp-p
Impedance.....	75 ohms
Return loss.....	<-50 dB @ 5 MHz

## Sync

Input type.....	RGBHV, RGBS, RGsB
Output type.....	RGBHV, RGBS, RGsB
Input level .....	2.0 V to 5.0 Vp-p
Output level.....	TTL: 5.0 Vp-p, unterminated
Input impedance .....	510 ohms
Output impedance .....	75 ohms
Max. propagation delay .....	1.2 $\mu$ s
Polarity.....	Positive or negative (follows input)

## Audio

Gain.....	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response .....	20 Hz to 20 kHz, $\pm$ 0.4 dB
THD + Noise.....	0.03% @ 1 kHz at nominal level, 0.1% @ 20 kHz at maximum output
S/N.....	>75 dB at maximum output
Stereo channel separation .....	>-113 dB @ 1 kHz to 20 kHz

## Audio input

Number/signal type.....	1 stereo, unbalanced
Connectors .....	(1) 3.5 mm mini stereo jack
Impedance.....	>10k ohms unbalanced
Nominal level .....	-10 dBV (316 mV)
Maximum level.....	+8.1 dBu, (balanced or unbalanced) at 1%THD+N

**NOTE**  $0 \text{ dBu} = 0.775 \text{ Vrms}$ ,  $0 \text{ dBV} = 1 \text{ Vrms}$ ,  $0 \text{ dBV} \approx 2 \text{ dBu}$

## Audio output

Number/signal type.....	1 stereo, balanced/unbalanced
Connectors .....	1 direct insertion captive screw connector, 5 pole

# Specifications — CIA114, cont'd

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Impedance.....	50 ohms unbalanced, 100 ohms balanced
Gain error.....	±0.09 dB channel to channel
Maximum level (Hi-Z).....	>+15 dBu, balanced or unbalanced at 1%THD+N
Maximum level (600 ohm).....	>+13 dBm, balanced or unbalanced at 1%THD+N

## General

External power supply.....	100 VAC to 240 VAC, 50/60 Hz, external; to 9 VDC, 0.6 A, regulated
Power input requirements.....	9 VDC, 0.5 A
Temperature/humidity.....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

### Mounting

Furniture mount.....	Yes
Wall mount.....	Yes
Enclosure type.....	Metal

### Enclosure dimensions

CIA114 faceplate.....	4.5" H x 2.75" W x 0.1" D (11.4 cm H x 7.0 cm W x 0.2 cm D) (1 gang)
Device.....	2.8" H x 1.9" W x 1.5" D (7.1 cm H x 4.8 cm W x 3.8 cm D) (Depth excludes connectors.)

Product weight.....	0.7 lbs (0.3 kg)
Shipping weight.....	3 lbs (2 kg)
Vibration.....	ISTA 1A in carton (International Safe Transit Association)

### Regulatory compliance

Safety.....	CE, ETL (UL1950)
EMI/EMC.....	CE
MTBF.....	30,000 hours
Warranty.....	3 years parts and labor

**NOTE** All nominal levels are at ±10%.

**NOTE** Specifications are subject to change without notice.

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